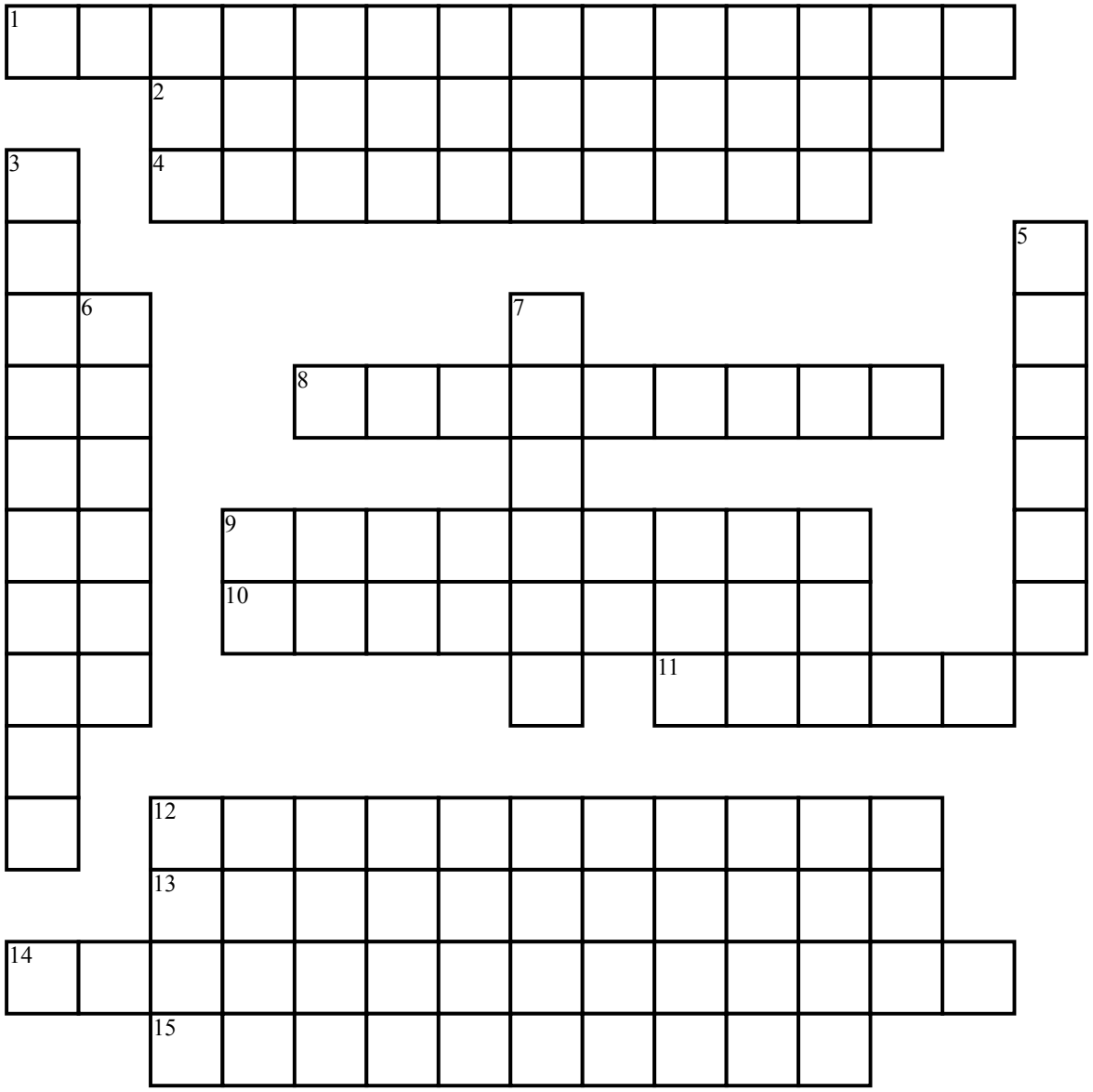
Name: _____ Date: _____ Period: _____

# Waves Chapter 22-7th Grade Science



**Across**

**1.** What wave has particles that move perpendicular to the wave's motion?

**2.** The section on a LONGITUDINAL WAVE that is close together

**4.** When a wave bounces back from a surface, this is called a _____

**8.** What can be calculated using the following expression: wave length x frequency?

**9.** The section between a transverse wave's resting point and a crest or trough

**10.** What determines the amount of energy needed for a wave to transfer its own energy to another?

**11.** The _____ is the highest point of a transverse wave

**12.** What can be caused if a wave finds an obstacle or an opening?

**13.** The section on a LONGITUDINAL WAVE that are moving apart

**14.** What kind of wave is a water wave an example of?

**15.** This can happen when light hits water or a reflective surface

**Down**

**3.** The amount of space between matching parts of a transverse wave

**5.** The _____ is the lowest point of a transverse wave

**6.** All waves transfer _____

**7.** An electromagnetic wave does not need a _____ to move through